AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

(Original) A process for preparing (per)fluorohalogenethers having general formula
 (II):

wherein:

A and A', equal to or different from each other, are H, Cl or Br but they cannot be both H;

R' has the following meanings:

- RO-, wherein R is a (per)fluorinated substituent, preferably perfluorinated, selected from the following groups: linear or branched C₁-C₂₀ alkyl, preferably C₁-C₁₀; C₃-C₇ cycloalkyl; aromatic, C₆-C₁₀ arylalkyl or alkylaryl; C₅-C₁₀ heterocyclic or alkylheterocyclic;

when R is fluorinated, it optionally contains one or more atoms of H and/or one or more halogen atoms different from F;

when R is alkyl, cycloalkyl, arylalkyl, alkylaryl, alkylheterocyclic, it optionally contains in the chain one or more oxygen atoms;

a perfluoropolyether substituent T-R_f wherein

 $T = -OCF_2OCFA-CA'F_2$, $-OCF_2X_1$, wherein $X_1 = F$, CF_3 , CI;

R_f is a perfluorooxyalkylene chain containing one or more of the following units statistically distributed along the chain:

- (C₃F₆O), selected between (CF₂CF(CF₃)O) or

 $(CF(CF_3)CF_2O);$

- (CFX₁O) wherein X₁ is F or CF₃;
- (C_2F_4O) ;
- (CF₂(CF₂)_x·CF₂O) wherein x' is an integer equal to 1 or 2;

by reaction of carbonyl compounds having formula (III):

wherein

R" = RO-, wherein R is as above; or

 $R'' = Q - R_f$ wherein:

Q = -OCOF, -OCF₂X₁ wherein X_1 is as above;

R_f is as above;

in liquid phase with elemental fluorine and with olefinic compounds having formula:

wherein A and A' are as above,

at temperatures from -120°C to -20°C, preferably from -100°C to -40°C, optionally in the presence of a solvent inert under the reaction conditions.

- 2. (Original) A process according to claim 1, wherein the fluorine used in the reaction is diluted with an inert gas.
- (Currently Amended) A process according to <u>claim 1 elaims 1-2</u> carried out in a semicontinuous or continuous way.

- (Original) A process according to claim 3, wherein in the semicontinuous process the molar ratio between the carbonyl compound (III) and the olefin (IV) ranges from 0.05 to 10.
- (Original) A process according to claim 3, wherein in the continuous process the molar ratio between the carbonyl compound (III) and the olefin (IV) ranges from 0.05 to 10 and the molar ratio F₂/olefin (IV) ranges from 0.05 to 10.
- (Currently Amended) A process according to <u>claim 1</u> claims 1-5, wherein the number average molecular weight of R_f in formula (II) and (III) ranges from 66 to 12,000, preferably from 66 to 1,000, more preferably from 300 to 800.
- 7. (Original) A process according to claim 6, wherein the perfluorooxyalkylene chains are selected from the following:

A)-
$$(CF_2-CF(CF_3)O)_m-(CFX_1O)_n-;$$

wherein:

X₁ is as above;

m and n are integers, equal to or higher than zero, and such that the molecular weight of R_f is in the above molecular weight range;

B)-
$$(CF_2CF_2O)_t$$
- $(CF_2O)_p$ -;

wherein t and p are integers, equal to or higher than zero, and such that the p/t ratio be in the range 0.2-4, t being different from zero and the molecular weight of R_f is within the above molecular weight range;

C)- $(CF_2CF_2O)_t$ - $(CFX_1O)_n$ - $(CF(CF_3)CF_2O)_m$ -;

wherein:

X₁ is as above;

t, n, m are integers, equal to or higher than zero, and such that the molecular weight of $R_{\rm f}$ is within the above molecular weight range.

- 8. (Original) A process according to claim 7, wherein when R_f is structure A) the m/n ratio is ≥2 and n is different from zero; when R_f is structure B), the p/t ratio is from 0.2 to 4, and t is different from zero; when R_f is structure C), m + t is comprised between 1 and 50; the n/(m + t) ratio is comprised between 0.01 and 0.05, m + t being different from zero.
- 9. (Currently Amended) A process according to <u>claim 1</u> claims 7-8, wherein the perfluorooxyalkylene chain has structure B) -(CF₂CF₂O)_t-(CF₂O)_p-.
- (Currently Amended) A process according to <u>claim 1</u> <u>claims 1-9</u>, wherein the carbonyl compounds of formula (III) are CF₃OCOF, C₂F₅OCOF,
 CF₃O(CF₂)₂OCOF.
- 11. (Currently Amended) A process according to <u>claim 1</u> claims 1-10, wherein the solvents are liquid and inert in the temperature range of the process and are selected from (per)fluorocarbons, (per)fluoroethers, (per)fluoropolyethers, perfluoroamines, or respective mixtures.